

# *sPHENIX / “New RHIC Detector”* *Collaboration Report*

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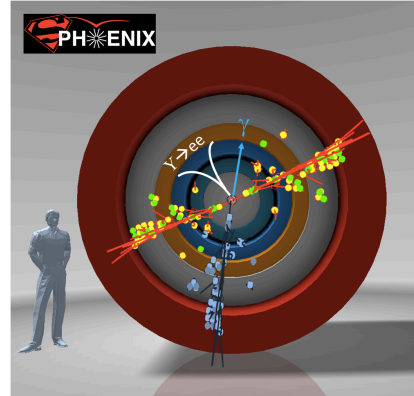
# sPHENIX Proposal (2012 – 2014)

## Upgrade Proposal from the PHENIX Collaboration

- Original: July 1, 2012
- Updated: October 1, 2013
- Updated: June 19, 2014
- Updated: November 19, 2014

Dave Morrison & Jamie Nagle  
(Co-spokespersons)





# sPHENIX History (2010 – 2015)

## Upgrade Proposal from the PHENIX Collaboration

- sPHENIX Concept in the PHENIX Decadal Plan: October 2010
- Original proposal <http://arxiv.org/abs/1207.6378>: July 1, 2012  
(new superconducting solenoid & optional additional tracking)
- BNL Review (chaired by Tom Ludlam): October 2012
- Updated proposal (simulations & physics case strengthened): October 1, 2013
- ePHENIX White Paper (<http://arxiv.org/abs/1402.1209>): February 3, 2014
- Future Opportunities in p+p and p+A with the Forward sPHENIX Detector  
([http://www.phenix.bnl.gov/phenix/WWW/publish/dave/sPHENIX/pp\\_pA\\_whitepaper.pdf](http://www.phenix.bnl.gov/phenix/WWW/publish/dave/sPHENIX/pp_pA_whitepaper.pdf)): April 29, 2014
- Updated proposal, submitted to DOE: June 19, 2014  
(incorporation of Babar magnet and tracking)
- DOE Science Review: July 1, 2014
- Updated Proposal <http://arxiv.org/abs/1501.06197>: November 19, 2014
- DOE Science Review (chaired by Tim Hallman): April 30, 2015

"A successful science review" with no tracked recommendations

# “New RHIC Detector Collaboration”

- June 16, 2015 – sPHENIX / New RHIC Detector Workshop organized by B. Müller.



- June 23, 2015 – B. Müller moves to form a New RHIC Detector Collaboration (based on sPHENIX Proposal).
- All interested groups invited to join by July 16, 2015.
- Aug. 26, 2015 – 1<sup>st</sup> “New Detector” Institutional Board Mtg.

# “New Detector” Institutions

**57 institutions signed up:** Abilene Christian, Augustana College, Banaras Hindu University (India), Baruch College, CUNY, BNL and BNL (PHENIX), UC-Davis, UCLA, UCR, Chonbuk National University (South Korea), Colorado, Columbia, Joint Czech Group (Charles University): Prague Czech Technical University, Prague Institute of Physics, Czech Academy of Sciences – Prague; University of Debrecen, Florida State, Georgia State, Howard University, Houston, sPHENIX (Hungary), Illinois – U.C., Institute of Nuclear Research, Russian Academy of Sciences, Moscow, Iowa State, University of Jammu (India), JAEA (Japan Atomic Energy Agency), Korea University, National Research Centre “Kurchatov Institute”, Lehigh, LLNL, LANL, Maryland, MIT, Michigan, National Research Nuclear University (Moscow Engineering Physics Institute), Muhlenberg College, Nara Women’s University (Japan), New Mexico State, University of New Mexico, ORNL, Ohio University, Institut de Physique Nucléaire d’Orsay, Petersburg Nuclear Physics Institute (National Research Centre “Kurchatev Institute”), IHEP (Protvino), RIKEN/RBRC, Rikkyo University, Rutgers, Stony Brook, Saint-Petersburg Polytechnic University, Tennessee - Knoxville, Texas - Austin, Tokyo Institute of Technology (Tokyo Tech, TITech), University of Tokyo (Center for Nuclear Study), Institute of Physics - University of Tsukuba, Universidad Técnica Federico Santa María - Valparaíso (Chile), Vanderbilt, Wayne State, Weizmann Institute, Yale, Yonsei University (Korea).

# “New Detector” Institutional Board Mtg

26 August 2015, 9 AM – noon EDT

Introductions/roll call

Preview Agenda

Goals of this meeting

News

Project Report – Ed O’Brien (20 +10)

Pre-CDR Report Plans

Timelines

Building the Collaboration and Management

Bylaws –

Introductory Comments on Bylaws

Includes discussion of Governing Structure

Discuss formation of Bylaws Committee & Chair

Committee(s) to identify candidates for positions –

Discuss formation of Nominating Committee

Discuss Election of Spokesperson(s), IB Chair, etc.

Other Future Committees

Publication Policies

Conference Committee / Speaker’s Bureau...

Other Issues

First Collaboration Meeting (Proposed Date, Plans)

Additional Business

# Goals of Institutional Board Mtg

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- Update IB on
  - Project
  - Timelines
  - Pre-CDR Report Plans
- Discuss Governing/Management Structure & Roles
  - Project
  - Collaboration
  - Spokesperson(s)
- Discuss and Decide on Plan for Formation of Bylaws Committee
- Identify Bylaws Committee Chair
- Discuss and Decide on Plan for Formation of Nominating Committee(s) and Chair(s)
  - Discuss & Identify Issues to Consider in Identifying Spokesperson(s)
  - Consider Timing and Election of Spokesperson(s), IB Chair, etc.
  - Identify which Committees are Needed in the Future
- Identify Any Other Issues
- Announce First Collaboration Meeting (Date, Plans)

John Harris – 8/25/2015

# Bylaws Committee

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Endorsed September 30, 2015 by Institutional Board:

## Bylaws Committee

- Chair – Bill Zajc, Columbia
- Christine A. Aidala, U. Michigan
- Yasuyuki Akiba, RIKEN
- Daniel Cebra, UC-Davis
- Rosi Reed, Lehigh
- Gunther Roland, MIT
- Alexander Milov, Weizmann Institute

Proposal for Bylaws to be presented to the IB and Collaboration in sufficient time prior to the initial New Detector Collaboration Meeting.

# Nomination Committee

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Endorsed October 16, 2015 by Institutional Board:

## **Spokesperson Nomination Committee**

- Chair – Huan Zhong Huang, UCLA
- Shinichi Esumi, U. Tsukuba
- Ann Sickles, Illinois
- Ken Barish, UC - Riverside
- Vicki Greene, Vanderbilt
- John Haggerty, BNL
- Tom Hemmick, Stony Brook
- Youngil Kwon, Yonsei
- John Lajoie, Iowa State
- Sevil Salur, Rutgers

A slate of candidates shall be presented to the IB and Collaboration in sufficient time prior to the initial New Detector Collaboration Meeting.

# Looking Forward

## Inaugural Collaboration Meeting

- To be held at Rutgers U. (co-sponsored with Lehigh U.)  
Dec. 10 – 12, 2015
- IB Meeting to be held at Collaboration Meeting  
(Bylaws, Spokesperson discussions)

Spokesperson will be identified  
in January 2016

Looking forward to a strong collaboration  
committed to success in the  
construction, operation & physics!

